

Form PTO-1449 (modified)

Atty. Docket No.

DEKM:157/HYL

Serial No.

08/927,368

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant

Michael Spencer, Rita Mumm, J. Jefferson Gwyn, David McElroy and Michael A. Stephens

Filing Date:

September 11, 1997

Group:

1803-1638

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## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
DK	A1	4,535,060	08-13-1985	Comai	435	172.3	01-05-1983
	A2	4,769,061	09-06-1988	Comai	71	86	02-04-1985
	A3	5,068,193	11-26-1991	Comai	435	252.3	05-11-1988
	A4	5,094,945	03-10-1992	Comai	435	172.3	08-30-1988
	A5	5,188,642	02-23-1993	Shah <i>et al.</i>	47	58	02-23-1993
	A6	5,436,389	07-25-1995	Pfund	800	200	12-07-1993
	A7	5,484,956	01-16-1996	Lundquist <i>et al.</i>	800	205	04-11-1990
	A8	5,554,798	09-10-1996	Lundquist <i>et al.</i>	800	205	05-15-1995
	A9	5,641,664	06-24-1997	D'Halluin <i>et al.</i>	435	172.3	11-21-1991
	A10	4,761,373	08-02-1988	Anderson <i>et al.</i>	435	172.3	08-10-1984
	A11	4,940,835	07-10-1990	Shah <i>et al.</i>	800	205	07-07-1986
	A12	4,971,908	11-20-1990	Kishore <i>et al.</i>	435	172.1	04-22-1988
	A13	5,034,322	07-23-1991	Rodgers <i>et al.</i>	435	172.3	04-05-89
DK	A14	5,641,876	06-24-97	McElroy <i>et al.</i>	536	24.1	10-27-93

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
DK	B1	EP 0 218 571	04-15-1987	Europe	—	—	Y
	B2	EP 0 353 908	02-07-1990	Europe	—	—	Y
DK	B3	EP 0 242 236	01-21-1987	Europe	—	—	Y

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*David Spuse*

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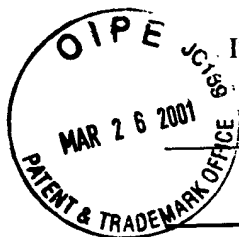
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DK	B4	EP 0 242 246	03-11-1987	Europe			X
	B5	EP 0 360 750	09-13-1989	Europe			Y
	B6	EP 0 348 348	06-13-1989	Europe			yes
	B7	EP 0 469 273	06-18-1991	Europe			yes
	B8	FR 2 661 421	04-23-1991	France			yes
	B9	WO 91/10725	07-25-1991	PCT			Y
	B10	WO 92/04449	03-19-1992	PCT			
	B11	WO 97/4103	02-06-1997	PCT			
	B12	WO 87/05629	09-24-1987	PCT			
	B13	WO 91/02071	02-21-1991	PCT			
	B14	EP 0 290 395	11-08-1988	Europe			
	B15	WO 91/09948	07-11-91	PCT			
DK	B16	WO 97/23634	07-03-97	PCT			Y

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Exam. Init.	Ref. Des.	Citation
DK	C1	Amrhein <i>et al.</i> , "Biochemical Basis for Glyphosate-Tolerance in a Bacterium and a Plant Tissue Culture," <i>FEBS</i> , 157(1):191-196, June 1983.
DK	C2	Anderson, W. <i>Weed Science: Principles, 2nd ed.</i> , West Publishing Company, St. Paul, pp. 13-15 (1983).

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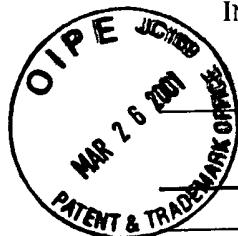
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	C4	Balthazor and Hallas, "Glyphosate-Degrading Microorganisms from Industrial Activated Sludge," <i>Applied and Environmental Microbiology</i> , 51(2):432-434, February 1986.
	C5	Bishop, "Two Teams Place Genes Into Corn," <i>The Wall Street Journal</i> , April 1990.
	C6	Chasan, "Transforming Maize Transformation," <i>The Plant Cell</i> , 4:1463-1464, December 1992.
	C7	Christou, "Genetic Transformation of Crop Plants Using Microprojectile Bombardment," <i>The Plant Journal</i> , 2(3):275-281, 1992.
	C8	Christou, McCabe, and Swain, "Stable Transformation of Soybean Callus by DNA-Coated Gold Particles," <i>Plant Physiol.</i> , 87:671-674, 1988.
	C9	Clark, "Biotech Advance in Corn: Gunslinging Researchers Fire Marker Genes into Corn," <i>Ag Consultant</i> , p. 12, July 1990.
	C10	Cocking and Davey, "Gene Transfer in Cereals," <i>Science</i> , 236:1259-1262, June 1987.
	C11	Comai <i>et al.</i> , "Expression in Plants of a Mutant <i>aroA</i> Gene from <i>Salmonella typhimurium</i> Confers Tolerance to Glyphosate," <i>Nature</i> , 317:741-744, October 1985.
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DK	C15	D'Halluin <i>et al.</i> , "Transgenic Maize Plants by Tissue Electroporation," <i>The Plant Cell</i> , 5:1495-1505, December 1992.

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	C18	Evans, "Somaclonal Variation Genetic Basis and Breeding Applications," <i>Reviews</i> , 5(2):46-50, February 1989.
	C19	Fishbein, Editor & Publisher, "Two Teams Succeed in Putting Foreign Genes in Corn Plants," <i>Genetic Engineering Letter</i> , 10(8):3, April 1990.
	C20	Fransz, de Ruijter, and Schel, "Isoenzymes as Biochemical and Cytochemical Markers in Embryogenic Callus of Maize ( <i>Zea mays</i> L.)," <i>Plant Cell Reports</i> , 8:67-70, 1989.
	C21	Fromm, "Gene Guns Succeed in Altering Corn," <i>Biotechnology News</i> , 10(11):2-3, April 1990.
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	C23	"Genetically Engineered Corn: Breakthrough Brings Market Closer," <i>Genetic Technology News</i> , p. 8 and 11, October 1990.
	C24	"Genetic Engineering Advance Announced For Corn Plants," <i>Investor's Daily</i> , April 19, 1990.
	C25	Goodman <i>et al.</i> , "Gene Transfer in Crop Improvements," <i>Science</i> , 236:48-54, April 1987.
	C26	Gordon-Kamm <i>et al.</i> , "Transformation of Maize Cells and Regeneration of Fertile Transgenic Plants," <i>The Plant Cell</i> , 2:603-618, July 1990.
	C27	Guilley <i>et al.</i> , "Transcription of Cauliflower Mosaic Virus DNA; Detection of Promoter Sequences, and Characterization of Transcripts," <i>Cell</i> , 30:763-773, October 1982.
	C28	Gunset "Corn Farmers See Economic, Environmental Gold in Designer Genes," <i>Chicago Tribune</i> , p.1, January 21, 1991.
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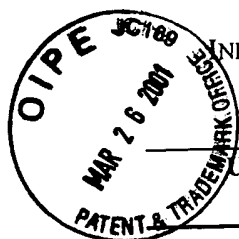
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JK	C30	Hallas, Hahn and Korndorfer, "Characterization of Microbial Traits Associated with Glyphosate Biodegradation in Industrial Activated Sludge," <i>Journal of Industrial Microbiology</i> , 3:377-385, 1988.
	C31	Howe, "Development of Glyphosate as a Selectable Marker for the Production of Fertile Transgenic Corn Plants," <i>In Vitro Cellular &amp; Developmental Biology</i> , p. 124A, P-1136.
	C32	Jacob <i>et al.</i> , "Metabolism of Glyphosate in <i>Pseudomonas</i> sp. Strain Lbr," <i>Applied and Environmental Microbiology</i> , 54(12):2953-2958, December 1988.
	C33	Jensen, R.A., "The Shikimate/Arogenate pathway: Link Between Carbohydrate Metabolism and Secondary Metabolism," <i>Physiol. Plant.</i> , 66:164-168, 1985.
	C34	"Keystone Crops," <i>Agricultural Genetics Report</i> , March/April 1990.
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	C39	Leemans, J., "Genetic Engineering for Sterility Control," <i>In Vitro Cellular &amp; Developmental Biology</i> , March 1992, 28(3).
	C40	Liu <i>et al.</i> , "Degradation of the Herbicide Glyphosate by Members of the Family <i>Rhizobiaceae</i> ," <i>Applied and Environmental Microbiology</i> , 57(6):1799-1804, June 1991.
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	C43	Moffat, "Corn Transformed," <i>Science</i> , 249:630, 1990.
	C44	Mousdale and Coggins, "Subcellular Localization of the Common Shikimate-Pathway Enzymes in <i>Pisum sativum</i> L.," <i>Planta</i> , 163:241-249, 1985.
	C45	Murakami <i>et al.</i> , "The Bialaphos Biosynthetic Genes of <i>Streptomyces hygroscopicus</i> : Molecular Cloning and Characterization of the Gene Cluster," <i>Mol. Gen. Genet.</i> , 205:42-50, 1986.
	C46	Nafziger <i>et al.</i> , "Selection and Characterization of a Carrot Cell line Tolerant to Glyphosate," <i>Plant Physiol.</i> , 76:571-574, 1984.
	C47	Netzer, W.J., "Engineering Herbicide Tolerance: When Is It Worthwhile?," <i>BIO/TECHNOLOGY</i> , 2(11):939-944, November 1984.
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DK	C52	Rice, "DeKalb Genetics Transforms Corn with Herbicide-Resistance Gene," <i>Genetic Technology News</i> , 10(5) May 1990.
	C53	Rodgers <i>et al.</i> , "Amplification of the <i>aroA</i> Gene from <i>Escherichia coli</i> Results in Tolerance to the Herbicide Glyphosate," <i>Applied and Environmental Microbiology</i> , 46(1):37-43, July 1983.
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	C55	Rothe <i>et al.</i> , "Evidence for an Intra- and Extraplastidic Pre-Chorismate Pathway," <i>Planta</i> , 157:358-366, 1983.
	C56	Rubin <i>et al.</i> , "Enzymological Basis for herbicidal Action of Glyphosate," <i>Plant Physiol.</i> , 70:833-839, 1982.
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	C58	Saijo and Takeo, "Some Properties of the Initial Four Enzymes Involved in Shikimic Acid Biosynthesis in Tea Plant," <i>Agric. Biol. Chem.</i> , 43(7):1427-1432, 1979.
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	C61	Shah <i>et al.</i> , "Engineering herbicide Tolerance in Transgenic Plants," <i>Science</i> , 233:478-481, July 1986.
	C62	Singh, Connelly and Conn, "Chorismate Mutase isoenzymes from <i>Sorghum bicolor</i> : Purification and Properties," <i>Archives of Biochemistry and Biophysics</i> , 243(2):374-384, 1985.
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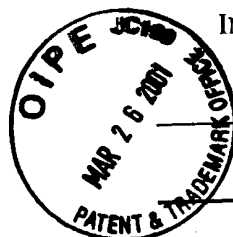
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	C65	Spencer <i>et al.</i> , "Fertile Transgenic Maize," p. 30 Seventh Annual Meeting of the Mid-Atlantic Plant Molecular Biology Society, August 16 & 17, 1990, University of Maryland College Park.
	C66	Spencer <i>et al.</i> , "Segregation of Transgenes in Maize," <i>Plant Molecular Biology</i> , 18:201-210, 1992.
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	C68	Stalker, Hiatt and Comai, "A Single Amino Acid Substitution in the Enzyme 5-Enolpyruvylshikimate-3-Phosphate synthase Confers Resistance to the Herbicide Glyphosate," <i>The Journal of Biological Chemistry</i> , 260(8):4724-4728, April 1985.
	C69	Sun, M., "Engineering Crops to Resist Weed Killers," <i>Science</i> , 231:1360-1361, March 1986.
	C70	Thompson <i>et al.</i> , "Characterization of the Herbicide-Resistance Gene bar from <i>Streptomyces hygroscopicus</i> ," <i>The EMBO Journal</i> , 6(9):2519-2523, 1987.
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List of Patents and Publications for Applicant's

Applicant

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U.S. Patent Documents

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Foreign Patent Documents

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Other Art

See Page 2

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
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